

IDAHO DEPARTMENT OF FISH & GAME

Joseph C. Greenley, Director

FEDERAL AID TO FISH AND WILDLIFE RESTORATION

Job Performance Report

Project F-70-D-1



CHEMICAL REHABILITATION OF FISHERIES

Period Covered: 1 March 1976 to 28 February 1977

by
Herbert A. Pollard II
Fishery Management Supervisor

June, 1977

JOB PERFORMANCE REPORT

State of Idaho Name: CHEMICAL REHABILITATION OF FISHERIES

Project No. F-70-D-1

Job No. I

Period Covered: 1 March 1976 to 28 February 1977

ABSTRACT

Chemical rehabilitation projects are conducted with the following objectives of eradicating rough fish populations, reducing nuisance to anglers and competition with game fish caused by rough fish and improving the growth and survival of game fish.

No chemical rehabilitation projects were conducted in 1976. Approximately 500 gallons of rotenone were purchased for treatment projects in 1977.

Author:

Herbert A. Pollard II
Fishery Management Supervisor

RECOMMENDATIONS

Chemical eradication of rough fish should be recognized as a valuable fishery management tool and should be continued as an important part of overall fishery management programs. Whenever rough fish populations create conditions detrimental to fisheries, chemical eradication should be considered.

OBJECTIVES

1. Eradicate rough fish populations in Idaho lakes and reservoirs.
2. Reduce nuisance to anglers and competition with game fish caused by rough fish.
3. Improve growth and survival of game fish.

TECHNIQUES USED

Water levels and fish populations are monitored in a number of waters where rough fish occur to determine the need and feasibility of chemical eradication of rough fish.

When rough fish populations increase to the point where they are detrimental to the sport fishery and low water levels occur so that chemical eradication is economically feasible, chemical treatment is conducted. The ordinary technique is to apply emulsified rotenone via boat bailer or spray pump at a concentration suitable to eliminate undesirable fish.

DISCUSSION

During the 1976 project segment no chemical eradication projects were conducted. Funds were expended to purchase rotenone to have on hand for future eradication projects. Approximately 500 gallons of emulsified rotenone is warehoused at the Idaho Department of Fish and Game central warehouse to be used in 1977.